Claims:

1. A compound represented by formula (I):

$$\begin{array}{c|c}
X & 6 & N & 2 & NHR^1 \\
X & 6 & N & 2 & NHR^2 & R^3 \\
Y & NHR^2 & R^4
\end{array}$$
(I)

wherein

X is hydrogen, halogen, trifluoromethyl, lower alkyl, unsubstituted or substituted phenyl, lower alkyl-thio, phenyl-lower alkyl-thio, lower alkyl-sulfonyl, or phenyl-lower alkyl-sulfonyl;

Y is hydrogen, hydroxyl, mercapto, lower alkoxy, lower alkyl-thio, halogen, lower alkyl, unsubstituted or substituted mononuclear aryl, or  $-N(R^2)_2$ ;

R<sup>1</sup> is hydrogen or lower alkyl;

each  $R^2$  is, independently,  $-R^7$ ,  $-(CH_2)_m$ -OR<sup>8</sup>,  $-(CH_2)_m$ -NR<sup>7</sup>R<sup>10</sup>,  $-(CH_2)_n(CHOR^8)(CHOR^8)_n$ -CH<sub>2</sub>OR<sup>8</sup>,  $-(CH_2CH_2O)_m$ -R<sup>8</sup>,  $-(CH_2CH_2O)_m$ -CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>,  $-(CH_2)_n$ -C(=O)NR<sup>7</sup>R<sup>10</sup>,  $-(CH_2)_n$ -Z<sub>g</sub>-R<sup>7</sup>,  $-(CH_2)_m$ -NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>,  $-(CH_2)_n$ -CO<sub>2</sub>R<sup>7</sup>, or

$$-(CH_2)_n$$
  $O$   $R^7$  ;

R<sup>3</sup> and R<sup>4</sup> are each, independently, hydrogen, a group represented by formula (A), lower alkyl, hydroxy lower alkyl, phenyl-lower alkyl, (halophenyl)-lower alkyl, lower-(alkylphenylalkyl), lower (alkoxyphenyl)-lower alkyl, naphthyl-lower alkyl, or pyridyl-lower alkyl, with the proviso that at least one of R<sup>3</sup> and R<sup>4</sup> is a group represented by formula (A):

$$-(C(R^{L})_{2})_{0}-x-(C(R^{L})_{2})_{p}-Q = Q$$

$$Q = Q$$

$$Q = Q$$

$$Q = Q$$

$$(R^{6})_{4}$$
(A)

wherein

each  $R^{L}$  is, independently,  $-R^{7}$ ,  $-(CH_{2})_{n}$ -OR<sup>8</sup>, -O- $(CH_{2})_{m}$ -OR<sup>8</sup>,  $-(CH_{2})_{n}$ -NR<sup>7</sup>R<sup>10</sup>, -O- $(CH_{2})_{m}$ -NR<sup>7</sup>R<sup>10</sup>,  $-(CH_{2})_{n}$ (CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>,

-O-(CH<sub>2</sub>)<sub>m</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>, -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>,

-O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>, -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>,

-O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>, -(CH<sub>2</sub>)<sub>n</sub>-C(=O)NR<sup>7</sup>R<sup>10</sup>,

 $-O-(CH_2)_m-C(=O)NR^7R^{10}$ ,  $-(CH_2)_n-(Z)_g-R^7$ ,  $-O-(CH_2)_m-(Z)_g-R^7$ ,

-(CH<sub>2</sub>)<sub>n</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>,

-O-(CH<sub>2</sub>)<sub>m</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>,

-(CH<sub>2</sub>)<sub>n</sub>-CO<sub>2</sub>R<sup>7</sup>, -O-(CH<sub>2</sub>)<sub>m</sub>-CO<sub>2</sub>R<sup>7</sup>, -OSO<sub>3</sub>H, -O-glucuronide, -O-glucose,

$$-O\left(CH_2\right)_m O R^7$$
 , or  $-(CH_2)_n O R^7$ 

each o is, independently, an integer from 0 to 10;

each p is an integer from 0 to 10;

with the proviso that the sum of o and p in each contiguous chain is from 1 to 10;

each x is, independently, O, NR<sup>10</sup>, C(=O), CHOH, C(=N-R<sup>10</sup>),

CHNR<sup>7</sup>R<sup>10</sup>, or represents a single bond;

each R<sup>5</sup> is, independently, -(CH<sub>2</sub>)<sub>m</sub>-OR<sup>8</sup>, -O-(CH<sub>2</sub>)<sub>m</sub>-OR<sup>8</sup>,

 $-(CH_2)_n-NR^7R^{10}$ ,  $-O-(CH_2)_m-NR^7R^{10}$ ,  $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$ ,

-O-(CH<sub>2</sub>)<sub>m</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>, -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>,

-O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>, -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>,

-O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>, -(CH<sub>2</sub>)<sub>n</sub>-C(=O)NR<sup>7</sup>R<sup>10</sup>,

 $-O-(CH_2)_m-C(=O)NR^7R^{10}$ ,  $-(CH_2)_n-(Z)_g-R^7$ ,  $-O-(CH_2)_m-(Z)_g-R^7$ ,

-(CH<sub>2</sub>)<sub>n</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>,

 $-O-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$ ,

-(CH<sub>2</sub>)<sub>n</sub>-CO<sub>2</sub>R<sup>7</sup>, -O-(CH<sub>2</sub>)<sub>m</sub>-CO<sub>2</sub>R<sup>7</sup>, -OSO<sub>3</sub>H, -O-glucuronide, -O-glucose,

each R<sup>6</sup> is, independently, -R<sup>7</sup>, -OR<sup>11</sup>, -N(R<sup>7</sup>)<sub>2</sub>, -(CH<sub>2</sub>)<sub>m</sub>-OR<sup>8</sup>,

 $-O-(CH_2)_m-OR^8$ ,  $-(CH_2)_n-NR^7R^{10}$ ,  $-O-(CH_2)_m-NR^7R^{10}$ ,

 $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8, -O-(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8,\\$ 

 $-(CH_{2}CH_{2}O)_{m}-R^{8}, -O-(CH_{2}CH_{2}O)_{m}-R^{8}, -(CH_{2}CH_{2}O)_{m}-CH_{2}CH_{2}NR^{7}R^{10},\\$ 

 $-O-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}, -(CH_2)_n-C(=O)NR^7R^{10},\\$ 

 $-O-(CH_2)_m-C(=O)NR^7R^{10}$ ,  $-(CH_2)_n-(Z)_g-R^7$ ,  $-O-(CH_2)_m-(Z)_g-R^7$ ,

-(CH<sub>2</sub>)<sub>n</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>,

-O-(CH<sub>2</sub>)<sub>m</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>,

-(CH<sub>2</sub>)<sub>n</sub>-CO<sub>2</sub>R<sup>7</sup>, -O-(CH<sub>2</sub>)<sub>m</sub>-CO<sub>2</sub>R<sup>7</sup>, -OSO<sub>3</sub>H, -O-glucuronide, -O-glucose,

$$-O\left(CH_2\right)_m O R^7$$
, or  $-(CH_2)_n O R^7$ 

wherein when two  $R^6$  are  $-OR^{11}$  and are located adjacent to each other on a phenyl ring, the alkyl moieties of the two  $R^6$  may be bonded together to form a methylenedioxy group;

each R<sup>7</sup> is, independently, hydrogen or lower alkyl; each R<sup>8</sup> is, independently, hydrogen, lower alkyl, -C(=O)-R<sup>11</sup>, glucuronide, 2-tetrahydropyranyl, or

$$O OR^{11}$$

$$OCOR^{11}$$

$$OCOR^{11}$$

$$OCOR^{11}$$

each R<sup>9</sup> is, independently, -CO<sub>2</sub>R<sup>7</sup>, -CON(R<sup>7</sup>)<sub>2</sub>, -SO<sub>2</sub>CH<sub>3</sub>, or -C(=O)R<sup>7</sup>; each R<sup>10</sup> is, independently, -H, -SO<sub>2</sub>CH<sub>3</sub>, -CO<sub>2</sub>R<sup>7</sup>, -C(=O)NR<sup>7</sup>R<sup>9</sup>, -C(=O)R<sup>7</sup>, or -CH<sub>2</sub>-(CHOH)<sub>n</sub>-CH<sub>2</sub>OH; each Z is, independently, CHOH, C(=O), CHNR<sup>7</sup>R<sup>10</sup>, C=NR<sup>10</sup>, or NR<sup>10</sup>; each R<sup>11</sup> is, independently, lower alkyl; each g is, independently, an integer from 1 to 6; each m is, independently, an integer from 1 to 7; each n is, independently, an integer from 0 to 7;

each Q is, independently, C-R<sup>5</sup>, C-R<sup>6</sup>, or a nitrogen atom, wherein at

or a pharmaceutically acceptable salt thereof, and inclusive of all enantiomers, diastereomers, and racemic mixtures thereof.

- 2. The compound of Claim 1, wherein Y is -NH<sub>2</sub>.
- 3. The compound of Claim 2, wherein R<sup>2</sup> is hydrogen.

most three Q in a ring are nitrogen atoms;

- 4. The compound of Claim 3, wherein R<sup>1</sup> is hydrogen.
- 5. The compound of Claim 4, wherein X is chlorine.

- 6. The compound of Claim 5, wherein R<sup>3</sup> is hydrogen.
- 7. The compound of Claim 6, wherein each R<sup>L</sup> is hydrogen.
- 8. The compound of Claim 7, wherein o is 4.
- 9. The compound of Claim 8, wherein p is 0.
- 10. The compound of Claim 9, wherein x represents a single bond.
- 11. The compound of Claim 10, wherein each R<sup>6</sup> is hydrogen.
- 12. The compound of Claim 11, wherein at most one Q is a nitrogen atom.
- 13. The compound of Claim 12, wherein no Q is a nitrogen atom.
- 14. The compound of Claim 13, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>m</sub>-OR<sup>8</sup>.
- 15. The compound of Claim 14, wherein R<sup>5</sup> is para-(CH<sub>2</sub>)<sub>4</sub>-OH.
- 16. The compound of Claim 14, which is represented by the formula:

17. The compound of Claim 14, which is represented by the formula

- 18. The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-OR<sup>8</sup>.
- 19. The compound of Claim 18, wherein R<sup>5</sup> is para-O-(CH<sub>2</sub>)<sub>4</sub>-OH
- 20. The compound of Claim 18, which is represented by the formula:

$$\begin{array}{c|c}
CI & N & NH \\
H_2N & NH_2
\end{array}$$

21. The compound of Claim 18, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ CI & N & NH \\ NH_2N & N & NH_2 \end{array}$$

22. The compound of Claim 18, which is represented by the formula:

- 23. The compound of Claim 13, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-NR<sup>7</sup>R<sup>10</sup>.
- 24. The compound of Claim 23, wherein R<sup>5</sup> is para-NHSO<sub>2</sub>CH<sub>3</sub>.
- 25. The compound of Claim 23, wherein R<sup>5</sup> is para-CH<sub>2</sub>NH(C=O)-(OCH<sub>3</sub>)<sub>3</sub>.
- 26. The compound of Claim 23, wherein R<sup>5</sup> is para-NH(C=O)CH<sub>3</sub>.

- 27. The compound of Claim 23, wherein R<sup>5</sup> is para-CH<sub>2</sub>NH<sub>2</sub>.
- 28. The compound of Claim 23, wherein R<sup>5</sup> is para-NH-CO<sub>2</sub>C<sub>2</sub>H<sub>5</sub>.
- 29. The compound of Claim 23, wherein R<sup>5</sup> is para-CH<sub>2</sub>NH(C=O)CH<sub>3</sub>.
- 30. The compound of Claim 23, wherein R<sup>5</sup> is para-CH<sub>2</sub>NHCO<sub>2</sub>CH<sub>3</sub>.
- 31. The compound of Claim 23, wherein R<sup>5</sup> is para-CH<sub>2</sub>NHSO<sub>2</sub>CH<sub>3</sub>.
- 32. The compound of Claim 23, wherein R<sup>5</sup> is para-(CH<sub>2</sub>)<sub>4</sub>-NH(C=O)O(CH<sub>3</sub>)<sub>3</sub>.
- 33. The compound of Claim 23, wherein R<sup>5</sup> is para-(CH<sub>2</sub>)<sub>4</sub>-NH<sub>2</sub>.
- 34. The compound of Claim 23, wherein R<sup>5</sup> is para-(CH<sub>2</sub>)<sub>3</sub>-NH(C=O)O(CH<sub>3</sub>)<sub>3</sub>.
- 35. The compound of Claim 23, wherein R<sup>5</sup> is para-(CH<sub>2</sub>)<sub>3</sub>-NH<sub>2</sub>.
- 36. The compound of Claim 23, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline CI & N & H \\ H_2N & NH_2 \end{array}$$

- 37 The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NR<sup>7</sup>R<sup>10</sup>.
- 38. The compound of Claim 37, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CH<sub>2</sub>NHCO<sub>2</sub>(CH<sub>3</sub>)<sub>3</sub>.
- 39. The compound of Claim 37, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CH<sub>2</sub>NHCO<sub>2</sub>C<sub>2</sub>H<sub>5</sub>.
- 40. The compound of Claim 37, wherein R<sup>5</sup> is para-O-(CH<sub>2</sub>)<sub>3</sub>-NH-CO<sub>2</sub>-(CH<sub>3</sub>)<sub>3</sub>.

- 41. The compound of Claim 37, wherein R<sup>5</sup> is para-O(CH<sub>2</sub>)<sub>3</sub>-NH<sub>2</sub>.
- 42. The compound of Claim 37, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CH<sub>2</sub>NHSO<sub>2</sub>CH<sub>3</sub>.
- 43. The compound of Claim 37, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline CI & N & NH \\ NH & NH_2 \end{array}$$

43. The compound of Claim 37, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline Cl & NH \\ NH & NH_2 \end{array}$$

- 45. The compound of Claim 13, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
- 46. The compound of Claim 13, wherein R<sup>5</sup> is-O-(CH<sub>2</sub>)<sub>m</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
  - 47. The compound of Claim 46, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CHOHCH<sub>2</sub>O-glucuronide.
  - 48. The compound of Claim 46, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CH<sub>2</sub>CHOHCH<sub>2</sub>OH.
  - 49. The compound of Claim 46, wherein R<sup>5</sup> is para-OCH<sub>2</sub>-(α-CHOH)<sub>2</sub>CH<sub>2</sub>OH
  - 50. The compound of Claim 46, wherein R<sup>5</sup> is para-OCH<sub>2</sub>-(CHOH)<sub>2</sub>CH<sub>2</sub>OH.
  - 51. The compound of Claim 46, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline \\ CI & NH \\ NH & NH \end{array}$$

- 3. The compound of Claim 51, which is the methanesulfonic acid salt.
- 53. The compound of Claim 46, which is represented by the formula:

54. The compound of Claim 46, which is represented by the formula:

55. The compound of Claim 46, which is represented by the formula:

56. The compound of Claim 46, which is represented by the formula:

- 57. The compound of Claim 13, wherein R<sup>5</sup> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>.
- 58. The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>.
- 59. The compound of Claim 58, which is represented by the formula:

60. The compound of Claim 58, which is represented by the formula:

$$\begin{array}{c|c}
O & NH \\
CI & N & NH_2
\end{array}$$

$$\begin{array}{c|c}
O & O & CH_3
\end{array}$$

61. The compound of Claim 58, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline CI & N & NH_2 \\ \hline \end{array}$$

- 62. The compound of Claim 13, wherein R<sup>5</sup> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>.
- 63. The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>.

- 64. The compound of Claim 13, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-C(=O)NR<sup>7</sup>R<sup>10</sup>.
- 65. The compound of Claim 64, wherein R<sup>5</sup> is para-C(=O)NH<sub>2</sub>.
- 66. The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-C(=O)NR<sup>7</sup>R<sup>10</sup>.
- 67. The compound of Claim 66, which is represented by the formula:

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & &$$

- 68. The compound of Claim 67, which is the methane sulfonic acid salt.
- 69. The compound of Claim 66, wherein R<sup>5</sup> is para-O-CH<sub>2</sub>-(C=O)NHCH<sub>2</sub>CHOH.
- 70. The compound of Claim 66, wherein R<sup>5</sup> is para-O-CH<sub>2</sub>-(C=O)NHCH<sub>2</sub>CHOHCH<sub>2</sub>OH.
- 71. The compound of Claim 66, wherein R<sup>5</sup> is para-O-CH<sub>2</sub>(C=O)NHCH<sub>2</sub>(CHOH)<sub>2</sub>CH<sub>2</sub>OH.
  - 72. The compound of Claim 66, wherein R<sup>5</sup> is para-O-CH<sub>2</sub>C(C=O)NHSO<sub>2</sub>CH<sub>3</sub>.
  - 73. The compound of Claim 66, wherein R<sup>5</sup> is para-O-CH<sub>2</sub>(C=O)NHCO<sub>2</sub>CH<sub>3</sub>.
  - 74. The compound of Claim 66, wherein R<sup>5</sup> is para-O-CH<sub>2</sub>-C(C=O)NH-C(C=O)NH<sub>2</sub>.
  - 75. The compound of Claim 66, wherein R<sup>5</sup> is -O-CH<sub>2</sub>-(C=O)NH-(C=O)CH<sub>3</sub>.
  - 76. The compound of Claim 13, wherein  $R^5$  is  $-(CH_2)_n-(Z)_g-R^7$ .
  - 77. The compound of Claim 76, wherein  $R^5$  is  $(CH_2)_n$ -(C=N)- $NH_2$ .

- 78. The compound of Claim 77, wherein R<sup>5</sup> is para-(C=NH)NH<sub>2</sub>.
- 79. The compound of Claim 76, wherein R<sup>5</sup> is (CH<sub>2</sub>)<sub>n</sub>-NH-C(=NH)-NH<sub>2</sub>.
- 80. The compound of Claim 79, wherein R<sup>5</sup> is para-(CH<sub>2</sub>)<sub>3</sub>-NH-C(=NH)-NH<sub>2</sub>.
- 81. The compound of Claim 79, wherein R<sup>5</sup> is para-CH<sub>2</sub>NH-C(=NH)-NH<sub>2</sub>.
- 82. The compound of Claim 76, wherein R<sup>5</sup> is (CH<sub>2</sub>)<sub>n</sub>-CONHCH<sub>2</sub>(CHOH)<sub>n</sub>-CH<sub>2</sub>OH.
- 83. The compound of Claim 82, which is represented by the formula:

$$\begin{array}{c|c} O & NH & & & OH \\ \hline CI & N & NH_2 & & & H \\ \hline H_2N & NH_2 & & & NH_2 \\ \end{array}$$

- 84. The compound of Claim 76, wherein R<sup>5</sup> is NH-C(=O)-CH<sub>2</sub>-(CHOH)<sub>n</sub>CH<sub>2</sub>OH.
- 85. The compound of Claim 84, which is represented by the formula:

$$\begin{array}{c|c} O & NH & H \\ \hline CI & N & NH \\ H_2N & NH_2 & H \end{array}$$

- 86. The compound of Claim 76, wherein R<sup>5</sup> is -NH<sub>2</sub>(C=O)-NH-CH<sub>2</sub>(CHOH)<sub>n</sub>CHOH.
- 87. The compound of Claim 86, wherein R<sup>5</sup> is para-NHC(C=O)NHCH<sub>2</sub>CH<sub>2</sub>OH.
- 88. The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-(Z)<sub>g</sub>-R<sup>7</sup>.
- 89. The compound of Claim 88, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NH-C(=NH)-N(R<sup>7</sup>)<sub>2</sub>.

90. The compound of Claim 89, which is represented by the formula:

$$\begin{array}{c|c} & & & & \\ & &$$

- 91. The compound of Claim 89, wherein R<sup>5</sup> is para-O(CH<sub>2</sub>)<sub>3</sub>-NH-C(=NH)-NH<sub>2</sub>.
- 92. The compound of Claim 88, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-CHNH<sub>2</sub>-CONR<sup>7</sup>R<sup>10</sup>.
- 93. The compound of Claim 92, wherein R<sup>5</sup> is para-OCH<sub>2</sub>-CHNH<sub>2</sub>-CONH<sub>2</sub>.
- 94. The compound of Claim 93, which is the (R) enantiomer.
- 95. The compound of Claim 93, which is the (S) enantiomer.
- 96. The compound of Claim 88, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline Cl & N & NH_2 \\ \hline \\ H_2N & NH_2 \\ \end{array}$$

- 97. The compound of Claim 88, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CHOH-CH<sub>2</sub>NHCO<sub>2</sub>(CH<sub>3</sub>)<sub>3</sub>.
- 98. The compound of Claim 88, which is represented by the formula:

$$\begin{array}{c|c} O & NH \\ \hline \\ CI & N & NH \\ \hline \\ H_2N & N & NH_2 \\ \end{array}$$

- 99. The compound of Claim 13, wherein  $R^5$  is -(CH<sub>2</sub>)<sub>n</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
  - 100. The compound of Claim 99, wherein R<sup>5</sup> is para-NHCH<sub>2</sub>(CHOH)<sub>2</sub>CH<sub>2</sub>OH.
- 101. The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
  - 102. The compound of Claim 101, which is represented by the formula:

HO

HO

$$(S)$$
 $(R)$ 
 $(R)$ 

103. The compound of Claim 101, which is represented by the formula:

OH 
$$H_2N$$
  $NH_2$   $H_2N$   $NH_2$   $H_3N$   $NH_4$   $NH_5$   $NH_5$ 

104. The compound of Claim 101, which is represented by the formula:

OH 
$$H_2N$$
  $NH_2$   $H_2N$   $NH_2$   $H_3N$   $NH_4$   $N$   $NH_5$   $NH_5$   $NH_6$   $NH_6$ 

105. The compound of Claim 101, which is represented by the formula:

106. The compound of Claim 101, which is represented by the formula:

$$HO \longrightarrow (R) \longrightarrow OH$$

$$H_{2N} \longrightarrow NH \longrightarrow NH \longrightarrow NH$$

$$NH \longrightarrow$$

- 107. The compound of Claim 13, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-CO<sub>2</sub>R<sup>7</sup>.
- 108. The compound of Claim 107, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CO<sub>2</sub>(CH<sub>3</sub>)<sub>3</sub>.
- 109. The compound of Claim 107, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CO<sub>2</sub>H.
- 110. The compound of Claim 107, wherein R<sup>5</sup> is para-OCH<sub>2</sub>CO<sub>2</sub>C<sub>2</sub>H<sub>5</sub>.

111. The compound of Claim 13, wherein R<sup>5</sup> is -OSO<sub>3</sub>H.

- 112. The compound of Claim 13, wherein R<sup>5</sup> is -O-glucuronide.
- 113. The compound of Claim 13, wherein R<sup>5</sup> is -O-glucose.
- 114. The compound of Claim 13, wherein R<sup>5</sup> is

$$-O\left(CH_2\right)_{m}O\left(R^7\right)$$

115. The compound of Claim 114, which is represented by the formula:

116. The compound of Claim 13, wherein R<sup>5</sup> is

$$-(CH_2)_n$$
 $Q$ 
 $R^7$ 

117. The compound of Claim 13, wherein  $R^5$  is

## 118. The compound of Claim 61, which is represented by the formula:

$$\begin{array}{c|c}
O & OMe \\
OAc \\
OAc \\
OAc \\
OAc
\end{array}$$

$$\begin{array}{c|c}
O & NH \\
OAc \\
OAc
\end{array}$$

## 119. The compound of Claim 1, wherein

X is halogen;

Y is  $-N(R^7)_2$ ;

R<sup>1</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl;

 $R^2$  is  $-R^7$ ,  $-(CH_2)_m$ - $OR^8$ , or  $-(CH_2)_n$ - $CO_2R^7$ ;

R<sup>3</sup> is a group represented by formula (A); and

R<sup>4</sup> is hydrogen, a group represented by formula (A), or lower alkyl.

## 120. The compound of Claim 63, wherein

X is chloro or bromo;

Y is  $-N(R^7)_2$ ;

R<sup>2</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl;

at most three R<sup>6</sup> are other than hydrogen as defined above; at most three R<sup>L</sup> are other than hydrogen as defined above; and at most 2 Q are nitrogen atoms.

121. The compound of Claim 64, wherein Y is -NH<sub>2</sub>.

- 122. The compound of Claim 65, wherein R<sup>4</sup> is hydrogen; at most one R<sup>L</sup> is other than hydrogen as defined above; at most two R<sup>6</sup> are other than hydrogen as defined above; and at most 1 Q is a nitrogen atom.
- 123. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>m</sub>-OR<sup>8</sup>.
- 124. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-OR<sup>8</sup>.
- 125. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-NR<sup>7</sup>R<sup>10</sup>.
- 126. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NR<sup>7</sup>R<sup>10</sup>.
- 127. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>(CHOR<sup>8</sup>)(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
- 128. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
  - 129. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>.
  - 130. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-R<sup>8</sup>.
  - 131. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>.
  - 132. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>m</sub>-CH<sub>2</sub>CH<sub>2</sub>NR<sup>7</sup>R<sup>10</sup>.
  - 133. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-C(=O)NR<sup>7</sup>R<sup>10</sup>.
  - 134. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-C(=O)NR<sup>7</sup>R<sup>10</sup>.

- 135. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-(Z)<sub>g</sub>-R.<sup>7</sup>
- 136. The compound of Claim 1, wherein  $R^5$  is -O-(CH<sub>2</sub>)<sub>m</sub>-(Z)<sub>g</sub>- $R^7$ .
- 137. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
- 138. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NR<sup>10</sup>-CH<sub>2</sub>(CHOR<sup>8</sup>)CHOR<sup>8</sup>)<sub>n</sub>-CH<sub>2</sub>OR<sup>8</sup>.
  - 139. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-CO<sub>2</sub>R<sup>7</sup>.
  - 140. The compound of Claim 1, wherein R<sup>5</sup> is -OSO<sub>3</sub>H.
  - 141. The compound of Claim 1, wherein R<sup>5</sup> is -O-glucuronide.
  - 142. The compound of Claim 1, wherein R<sup>5</sup> is -O-glucose.
  - 143. The compound of Claim 1, wherein R<sup>5</sup> is

$$-O\left(CH_2\right)_{m}O\left(R^7\right)$$

144. The compound of Claim 1, wherein R<sup>5</sup> is

$$-(CH_2)_n$$
 $O$ 
 $R^7$ 

145. The compound of Claim 1, wherein R<sup>5</sup> is

$$O OR^{11}$$

$$OCOR^{11}$$

$$OCOR^{11}$$

- 146. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-Boc.
- 147. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>m</sub>-Boc.
- 148. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NH-C(=NH)-N(R<sup>7</sup>)<sub>2</sub>.
- 149. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-NH-C(=NH)-N(R<sup>7</sup>)<sub>2</sub>.
- 150. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>m</sub>-NH-C(=O)-OR<sup>7</sup>.
- 151. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NH-C(=O)-OR<sup>7</sup>.
- 152. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>n</sub>-NH-C(=O)-R<sup>11</sup>.
- 153. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NH-C(=O)-R<sup>11</sup>.
- 154. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-C(=O)N(R<sup>7</sup>)<sub>2</sub>.
- 155. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>m</sub>-CHOH-CH<sub>2</sub>-NHBoc.
- 156. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-CHOH-CH<sub>2</sub>-NHBoc.
- 157. The compound of Claim 1, wherein R<sup>5</sup> is -(CH<sub>2</sub>)<sub>m</sub>-NHC(O)OR<sup>7</sup>.
- 158. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-NHC(O)OR<sup>7</sup>.

159. The compound of Claim 1, wherein R<sup>5</sup> is -O-(CH<sub>2</sub>)<sub>m</sub>-C(=NH)-N(R<sup>7</sup>)<sub>2</sub>.

- 160. The compound of Claim 1, wherein 42 is -(CH<sub>2</sub>)<sub>n</sub>-C(=NH)-N(R<sup>7</sup>)<sub>2</sub>.
- 161. The compound of Claim 1, wherein R<sup>5</sup> is selected from the group consisting of -13-OH, -NH<sub>2</sub>, -O-CH<sub>2</sub>-(CHOH)<sub>2</sub>-CH<sub>2</sub>OH -O-CH<sub>2</sub>-CHOH-CH<sub>2</sub>OH, -O-CH<sub>2</sub>CH<sub>2</sub>O-CH<sub>2</sub>OH<sub>2</sub>O-CH<sub>2</sub>CHOH-CH<sub>2</sub>O-CH<sub>2</sub>CH<sub>2</sub>OH<sub>3</sub>, -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>4</sub>-CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, -O-CH<sub>2</sub>-(CHOC(=O)CH<sub>3</sub>)-CH<sub>2</sub>-OC(=O)CH<sub>3</sub>, -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>2</sub>-CH<sub>3</sub>, CHOH-CHOH-CH<sub>2</sub>OH, -CH<sub>2</sub>OH, -CO<sub>2</sub>CH<sub>3</sub>,

$$-O\left(CH_2\right)_{m}O\left(R^7\right)$$

and

162. The compound of Claim 1, wherein R<sup>5</sup> is selected from the group consisting of para -O-(CH<sub>2</sub>)<sub>3</sub>-OH, para -NH<sub>2</sub>, para -O-CH<sub>2</sub>-(CHOH)<sub>2</sub>-CH<sub>2</sub>OH, ortho -O-CH<sub>2</sub>-CHOH-CH<sub>2</sub>OH, meta -O-CH<sub>2</sub>-CHOH-CH<sub>2</sub>OH, para -O-CH<sub>2</sub>CH<sub>2</sub>-O-tetrahydropyran-2-yl, para -O-CH<sub>2</sub>CHOH-CH<sub>2</sub>-O-glucuronide, para -O-CH<sub>2</sub>CH<sub>2</sub>OH, para -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>4</sub>-CH<sub>3</sub>, para -O-CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>, para -O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>2</sub>-CH<sub>3</sub>, -OCH<sub>2</sub>-CHOH-CHOH-CH<sub>2</sub>OH, para -CH<sub>2</sub>OH, para -CO<sub>2</sub>CH<sub>3</sub>, para -SO<sub>3</sub>H, para -O-glucuronide, para

$$-O\left(CH_2\right)_{m}O\left(R^7\right)$$

and

para

163. The compound of Claim 1, wherein R<sup>5</sup> is

- -O-CH<sub>2</sub>CHOHCH<sub>2</sub>O-glucuronide,
- -OCH<sub>2</sub>CO<sub>2</sub>H,
- -NHCH2(CHOH)2-CH2OH,
- -OCH<sub>2</sub>CO<sub>2</sub>Et,
- -NHSO<sub>2</sub>CH<sub>3</sub>,
- $-O-CH_2C(=O)NH_2$ ,
- -CH<sub>2</sub>NH<sub>2</sub>,
- -NHCO<sub>2</sub>Et,
- -OCH2CH2CH2CH2OH,
- -CH2NHSO2CH3,
- -OCH2CH2CHOHCH2OH,
- -OCH2CH2NHCO2Et,
- -NH-C(=NH<sub>2</sub>)-NH<sub>2</sub>OHOH,
- -CH<sub>2</sub>CH-CH-CH<sub>2</sub>OH,
- -CH2-CHOH-CH2-NHBoc,
- -O-CH2-CHOH-CH2-NHBoc,
- -OCH2CH2CH2NH2,
- -OCH<sub>2</sub>CH<sub>2</sub>NHCH<sub>2</sub>(CHOH)<sub>2</sub>CH<sub>2</sub>OH,
- -OCH<sub>2</sub>CH<sub>2</sub>NH(CH<sub>2</sub>[(CHOH)<sub>2</sub>CH<sub>2</sub>OH)]<sub>2</sub>,
- -(CH<sub>2</sub>)<sub>4</sub>-NHBoc,
- -(CH<sub>2</sub>)<sub>4</sub>-NH<sub>2</sub>,
- -(CH<sub>2</sub>)<sub>4</sub>-OH,

-OCH<sub>2</sub>CH<sub>2</sub>NHSO<sub>2</sub>CH<sub>3</sub>,

-(CH<sub>2</sub>)<sub>3</sub>-NH Boc,

-(CH<sub>2</sub>)<sub>3</sub>NH<sub>2</sub>, or

-O-CH<sub>2</sub>-CHOH-CH<sub>2</sub>-NH-C(=NH)-N(R<sup>7</sup>)<sub>2</sub>.

164. The compound of Claim 1, wherein

X is chloro or bromo;

Y is  $-N(R^7)_2$ ;

R<sup>1</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>2</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>3</sup> is a group represented by formula (A); and

R<sup>4</sup> is hydrogen, a group represented by formula (A), or lower alkyl; at most three R<sup>6</sup> are other than hydrogen as defined above; at most three R<sup>L</sup> are other than hydrogen as defined above; and at most 2 Q are nitrogen atoms.

165. The compound of Claim 108, wherein
 R<sup>4</sup> is hydrogen;
 at most one R<sup>L</sup> is other than hydrogen as defined above;

at most two R<sup>6</sup> are other than hydrogen as defined above; and

at most 1 Q is a nitrogen atom.

166. The compound of Claim 109, wherein

X is chloro or bromo;

Y is  $-N(R^7)_2$ ;

R<sup>1</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>2</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>3</sup> is a group represented by formula (A); and

R<sup>4</sup> is hydrogen, a group represented by formula (A), or lower alkyl;

at most three R<sup>6</sup> are other than hydrogen as defined above;

at most three RL are other than hydrogen as defined above; and

at most 2 Q are nitrogen atoms.

167. The compound of Claim 110, wherein R<sup>4</sup> is hydrogen; at most one R<sup>L</sup> is other than hydrogen as defined above; at most two R<sup>6</sup> are other than hydrogen as defined above; and at most 1 Q is a nitrogen atom.

- 168. The compound of Claim 1, wherein x is a single bond.
- 169. The compound of Claim 1, which is in the form of a pharmaceutically acceptable salt.
  - 170. A composition, comprising: the compound of Claim 1; and a P2Y2 inhibitor.
  - 171. A composition, comprising: the compound of Claim 1; and a bronchodilator.
- 172. A pharmaceutical composition, comprising the compound of Claim 1 and a pharmaceutically acceptable carrier.
- 173. A method of promoting hydration of mucosal surfaces, comprising:
  administering an effective amount of the compound of Claim 1 to a mucosal surface
  of a subject.
- 174. A method of restoring mucosal defense, comprising:
  topically administering an effective amount of the compound of Claim 1 to a mucosal surface of a subject in need thereof.
  - 175. A method of blocking sodium channels, comprising: contacting sodium channels with an effective amount of the compound of Claim 1.

176. A method of treating chronic bronchitis, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

177. A method of treating cystic fibrosis, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

178. A method of treating sinusitis, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

179. A method of treating vaginal dryness, comprising:

administering an effective amount of the compound of Claim 1 to the vaginal tract of a subject in need thereof.

180. A method of treating dry eye, comprising:

administering an effective amount of the compound of Claim 1 to the eye of a subject in need thereof.

- 181. A method of promoting ocular hydration, comprising:
- administering an effective amount of the compound of Claim 1 to the eye of a subject.
- 182. A method of promoting corneal hydration, comprising:

administering an effective amount of the compound of Claim 1 to the eye of a subject.

183. A method of promoting mucus clearance in mucosal surfaces, comprising:

administering an effective amount of the compound of Claim 1 to a mucosal surface

of a subject.

184. A method of treating Sjogren's disease, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

- 185. A method of treating distal intestinal obstruction syndrome, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 186. A method of treating dry skin, comprising:
  administering an effective amount of the compound of Claim 1 to the skin of a subject in need thereof.
- 187. A method of treating esophagitis, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 188. A method of treating dry mouth (xerostomia), comprising:
  administering an effective amount of the compound of Claim 1 to the mouth of a subject in need thereof.
- 189. A method of treating nasal dehydration, comprising:
  administering an effective amount of the compound of Claim 1 to the nasal passages
  of a subject in need thereof.
- 190. The method of Claim 132, wherein the nasal dehydration is brought on by administering dry oxygen to the subject.
- 191. A method of preventing ventilator-induced pneumonia, comprising: administering an effective amount of the compound of Claim 1 to a subject on a ventilator.
  - 192. A method of treating asthma, comprising:

administering an effective amount of the compound of Claim 1 to a subject in need thereof.

- 193. A method of treating primary ciliary dyskinesia, comprising: administering an effective amount of the compound of Claim 1 to a subject in need
- 194. A method of treating otitis media, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need
- 195. A method of inducing sputum for diagnostic purposes, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 196. A method of treating chronic obstructive pulmonary disease, comprising: administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 197. A method of treating emphysema, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 198. A method of treating pneumonia, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 199. A method of treating constipation, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need thereof.

200. The method of Claim 143, wherein the compound is administered orally or via a suppository or enema.

- 201. A method of treating chronic diverticulitis, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 202. A method of treating rhinosinusitis, comprising:
  administering an effective amount of the compound of Claim 1 to a subject in need thereof.
- 203. A method of treating hypertension, comprising administering the compound of Claim 1 to a subject in need thereof.
- 204. A method of reducing blood pressure, comprising administering the compound of Claim 1 to a subject in need thereof.
- 205. A method of treating edema, comprising administering the compound of Claim 1 to a subject in need thereof.
- 206. A method of promoting diuresis, comprising administering the compound of Claim 1 to a subject in need thereof.
- 207. A method of promoting natriuresis, comprising administering the compound of Claim 1 to a subject in need thereof.
- 208. A method of promoting saluresis, comprising administering the compound of Claim 1 to a subject in need thereof.